

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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COLLECTOR)

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TRANSMITTAL LETTER

Transmitted herewith are two CD-Rs ("compact disks-write once") labeled and hereafter referred to as Copy 1 and Copy 2.

Copy 1 and Copy 2 each contain an identical copy of a computer program listing appendix associated with and incorporated by reference into the above-identified non-provisional utility application. The machine format of each CD-R is IBM-PC; and the operating system compatibility is MS-Windows.

Copy 1 and Copy 2 each contain identical copies of the following ASCII files:

Date of Creation	Size (Bytes)	File Name
12/10/2001	16,978	ABOUT~1.CPP
12/10/2001	19,800	ABOUT~1.DFM
12/10/2001	5,129	ABOUT~1.HV
12/10/2001	3,349	ALERTF~1.CPP
12/10/2001	21,014	ALERTF~1.DFM
12/10/2001	3,551	ALERTF~1.HV
12/10/2001	5,654	ALERTL~1.CPP
12/10/2001	33,195	ALERTL~1.DFM

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12/10/2001	4,220	ALERTL~1.HV
12/10/2001	13,605	ALLLAN~1.RCV
12/10/2001	1,535	ALLSPE~1.HV
12/10/2001	12,028	ANCHOR~1.CPP
12/10/2001	4,968	ANCHOR~1.HV
12/10/2001	15,707	ASSEMB~1.CPP
12/10/2001	57,382	ASSEMB~1.CPX
12/10/2001	4,453	ASSEMB~1.HV
12/10/2001	10,034	ASSEMB~1.HXV
12/10/2001	94,449	ASSEMB~2.CPP
12/10/2001	16,442	ASSEMB~2.HV
12/10/2001	1,845	ASSEMB~3.HV
12/10/2001	21,077	ATTACH~1.CPP
12/10/2001	7,773	ATTACH~1.HV
12/10/2001	3,140	ATTACH~1.RHV
12/10/2001	3,130	ATTACH~2.HV
12/10/2001	2,824	BALLJO~1.CPP
12/10/2001	2,295	BALLJO~1.HV
12/10/2001	1,034	BITMAP~1.RCV
12/10/2001	1,558	BITMAP~1.RHV
12/10/2001	1,410	BLOB~1.HV
12/10/2001	5,273	BOLTHE~1.CPP
12/10/2001	3,130	BOLTHE~1.HV
12/10/2001	3,044	BOLTHO~1.CPP

12/10/2001	2,275	BOLTHO~1.HV
12/10/2001	907	BUILDD~1.HV
12/10/2001	3,998	BUILDI~1.HV
12/10/2001	5,365	BUILDN~1.HV
12/10/2001	882	CHGATT~1.CUR
12/10/2001	1,376	CHIEF~1.ICO
12/10/2001	5,275	COLORM~1.CPP
12/10/2001	2,401	COLORM~1.HV
12/10/2001	28,869	CONFIG~1.CPP
12/10/2001	23,631	CONFIG~1.HV
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12/10/2001	1,499	CURSOR~1.RHV
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12/10/2001	16,462	DATALO~1.DFM
12/10/2001	4,842	DATALO~1.HV
12/10/2001	5,032	DATALO~2.HV
12/10/2001	1,146	DEFAUL~1.ICO
12/10/2001	3,257	DEFLEC~1.CPP
12/10/2001	2,054	DEFLEC~1.HV
12/10/2001	1,058	DIMATT~1.HV
12/10/2001	57,771	DIMLAY~1.CPP
12/10/2001	49,935	DIMLAY~1.CPX
12/10/2001	9,973	DIMLAY~1.HV
12/10/2001	9,365	DIMLAY~1.HXV

12/10/2001	14,309	DLLCMD~1.RHV
12/10/2001	886	DLLCUR~1.RHV
12/10/2001	2,645	DLLDEF~1.HV
12/10/2001	20,314	DLLDLG~1.RHV
12/10/2001	856	DLLMEN~1.RHV
12/10/2001	6,389	DLLSTR~1.RHV
12/10/2001	31,561	DSTRIN~1.CPP
12/10/2001	15,198	DYNADI~1.CPP
12/10/2001	2,268	DYNADI~1.HV
12/10/2001	7,909	EAVEHI~1.TLB
12/10/2001	3,636	EDGESP~1.CPP
12/10/2001	2,199	EDGESP~1.HV
12/10/2001	12,023	ENUMTA~1.CPP
12/10/2001	3,411	ENUMTA~1.HV
12/10/2001	7,143	ENUMWO~1.CPP
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12/10/2001	4,753	ERRORS~1.HV
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12/10/2001	1,563	ESFDAT~1.HV
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12/10/2001	23,781	ESFEXP~1.CPP
12/10/2001	7,095	ESFEXP~1.HV

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12/10/2001	4,239	ESTNOT~1.HV
12/10/2001	9,137	EXPORT~1.TXT
12/10/2001	7,643	EXT~1.CPP
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12/10/2001	4,411	FENDER~1.CPP
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12/10/2001	10,408	FINDPO~1.CPP
12/10/2001	40,125	FINDPO~1.DFM
12/10/2001	4,302	FINDPO~1.HV
12/10/2001	4,704	FIXTUR~1.CPP
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12/10/2001	2,637	FLANGE~1.CPP

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12/10/2001	2,311	GCIRCL~1.HV
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12/10/2001	2,876	GDIALO~1.HV
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12/10/2001	2,126	GENCD~1.HV
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07/31/2001	5,960	GENCLI~1.DSK
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12/10/2001	313,467	GENCLI~2.DFM
12/10/2001	1,599	GENCLI~2.HV
12/10/2001	1,317	GENCLI~3.CPP
12/10/2001	81,850	GENCLI~4.CPP
12/10/2001	1,338	GENDEB~1.HV
12/10/2001	2,212	GENDIA~1.RHV
12/10/2001	46,616	GENERA~1.CPP
12/10/2001	6,000	GENERA~1.HV
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12/10/2001	1,146	GENESI~1.ICO
12/20/2001	1,720,807	GENESI~1.ZIP
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12/10/2001	2,562	GENFON~1.HV
12/10/2001	12,713	GENLAN~1.CPP
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12/10/2001	26,933	GENPRE~2.CPP
12/10/2001	9,017	GENPRE~2.HV

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12/10/2001	27,352	GENREG~1.HV
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12/10/2001	13,963	GENRES~1.CPP
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12/10/2001	1,313	GENSER~4.CPP
12/10/2001	22,937	GENSER~4.HV
12/10/2001	174,323	GENSER~5.CPP
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12/10/2001 2,610 GINSER~1.HV
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12/10/2001 5,266 GLAYER~1.HV
12/10/2001 2,859 GLINE~1.CPP
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12/10/2001 3,415 GPATH~1.CPP
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12/10/2001 3,700 GPOINT~1.CPP
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12/10/2001 1,925 GPOLYF~1.CPP
12/10/2001 2,017 GPOLYF~1.HV
12/10/2001 2,820 GPOLYL~1.CPP
12/10/2001 2,401 GPOLYL~1.HV

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12/10/2001	6,421	GSCALE~1.CPP
12/10/2001	2,542	GSCALE~1.HV
12/10/2001	3,297	GSOLID~1.CPP
12/10/2001	2,404	GSOLID~1.HV
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12/10/2001	13,739	GSPECL~1.CPP
12/10/2001	5,991	GSPECL~1.HV
12/10/2001	57,571	GSPECM~1.CPP
12/10/2001	12,322	GSPECM~1.HV
12/10/2001	68,054	GSPEC~1.CPP
12/10/2001	11,345	GSPEC~1.HV
12/10/2001	13,815	GSPECS~1.CPP
12/10/2001	16,146	GSPECS~1.HV
12/10/2001	126,324	GSPEC~1.CPP
12/10/2001	96,759	GSPEC~1.CPX
12/10/2001	30,617	GSPEC~1.HV

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12/10/2001	3,835	GTARGE~2.HV
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12/10/2001	2,676	GTEXT~1.HV
12/10/2001	6,065	GTYPE~1.CPP
12/10/2001	5,201	GTYPE~1.HV
12/10/2001	10,566	GVEHIC~1.CPP
12/10/2001	2,341	GVEHIC~1.HV
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12/10/2001	6,241	GVSPEC~1.HV
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12/10/2001	3,292	HISTOR~1.HV
12/10/2001	7,937	HOLESP~1.CPP
12/10/2001	2,998	HOLESP~1.HV
12/10/2001	5,498	HOOD~1.CPP
12/10/2001	3,387	HOOD~1.HV
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12/10/2001	91,200	HUB~1.CPP
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12/10/2001	8,547	LEGEND~1.CPP
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12/10/2001	1,978	MADETA~1.HV
12/10/2001	882	MAKEPN~1.CUR
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12/10/2001	8,349	MESSAG~1.RHV
12/10/2001	6,897	MOREDE~1.RHV
12/10/2001	3,809	MOREOW~1.HV

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12/10/2001	5,087	NOSPEC~1.HV
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12/10/2001	3,431	ROTACC~1.HV
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12/10/2001	12,924	SCANDR~1.CPP

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SCANNE~1.ICO
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SCANNE~2.HV
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SCANNE~3.HV
SCANNE~4.CPP
SCANNE~4.HV
SCANNE~5.CPP
SCANNE~5.HV
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SCANSE~1.IDL

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12/10/2001	884	TAE34C~1.CUR
12/10/2001	883	TAE34E~1.CUR
12/10/2001	883	TAE351~1.CUR
12/10/2001	883	TAE353~1.CUR
12/10/2001	883	TAE355~1.CUR
12/10/2001	883	TAE358~1.CUR
12/10/2001	883	TAE35A~1.CUR
12/10/2001	883	TAE35C~1.CUR

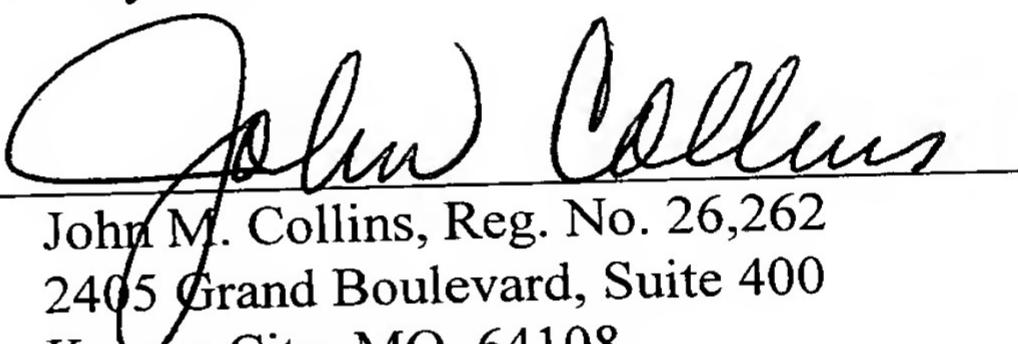
12/10/2001	883	TAE35F~1.CUR
12/10/2001	883	TAE362~1.CUR
12/10/2001	883	TAE364~1.CUR
12/10/2001	884	TAE366~1.CUR
12/10/2001	884	TAE369~1.CUR
12/10/2001	884	TAE36B~1.CUR
12/10/2001	884	TAE36E~1.CUR
12/10/2001	884	TAE370~1.CUR
12/10/2001	884	TAE373~1.CUR
12/10/2001	1,586	TARGDE~1.HV
12/10/2001	8,643	TARGET~1.CPP
12/10/2001	883	TARGET~1.CUR
12/10/2001	15,946	TARGET~1.HV
12/10/2001	883	TARGET~2.CUR
12/10/2001	883	TARGET~3.CUR
12/10/2001	883	TARGET~4.CUR
12/10/2001	883	TARGET~5.CUR
12/10/2001	883	TARGET~6.CUR
12/10/2001	883	TARGET~7.CUR
12/10/2001	883	TARGET~8.CUR
12/10/2001	883	TARGET~9.CUR
12/10/2001	20,201	TASK~1.CPP
12/10/2001	4,252	TASK~1.HV
06/04/2001	5,654	TEST.BMP

12/10/2001	6,378	TEST~1.BMP
12/10/2001	884	THAW~1.CUR
12/10/2001	2,892	TRANSL~1.CPP
12/10/2001	13,116	TRANSL~1.DFM
12/10/2001	3,773	TRANSL~1.HV
12/10/2001	882	TRASHC~1.CUR
12/10/2001	15,770	UMSATT~1.CPP
12/10/2001	9,333	UMSATT~1.HV
12/10/2001	84,911	UMSDAT~1.CPP
12/10/2001	13,678	UMSDAT~1.HV
12/10/2001	1,547	UMSINF~1.HV
12/10/2001	16,588	UTILEX~1.CPP
12/10/2001	2,877	UTILEX~1.HV
12/10/2001	3,469	UTILEX~2.HV
12/10/2001	36,631	UTILIT~1.BPR
12/10/2001	13,946	UTILIT~1.CPP
12/10/2001	1,776	UTILIT~1.RCV
12/10/2001	2,254	UTILIT~1.RHV
12/10/2001	18,851	VECT3D~1.CPP
12/10/2001	14,782	VECT3D~1.HV
12/10/2001	11,310	VEHICL~1.CPP
12/10/2001	3,061	VEHICL~1.HV
12/10/2001	2,718	VHCLLI~1.CPP
12/10/2001	1,405	VHCLLI~1.HV

12/10/2001	1,634	VIDEOC~1.BMP
12/10/2001	30,142	WORKOR~1.CPP
12/10/2001	5,010	WORKOR~1.HV
12/10/2001	7,397	XGEOME~1.CPP
12/10/2001	46,547	XGEOME~1.HV
12/10/2001	2,388	XLIST~1.HV
12/10/2001	673	ZOOMMI~1.CUR
12/10/2001	673	ZOOMPL~1.CUR
12/10/2001	885	ZOOM~1.CUR

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5

COMPUTER PROGRAM LISTING APPENDIX

A computer program listing appendix containing the source code of a computer program that may be used with the present invention is incorporated herein by reference and appended hereto as one (1) original compact disk, and an identical copy thereof, containing a total of 473 files as follows:

	Date of Creation	Size (Bytes)	File Name
10	12/10/2001	16,978	ABOUT~1.CPP
	12/10/2001	19,800	ABOUT~1.DFM
	12/10/2001	5,129	ABOUT~1.HV
	12/10/2001	3,349	ALERTF~1.CPP
15	12/10/2001	21,014	ALERTF~1.DFM
	12/10/2001	3,551	ALERTF~1.HV
	12/10/2001	5,654	ALERTL~1.CPP
	12/10/2001	33,195	ALERTL~1.DFM
	12/10/2001	4,220	ALERTL~1.HV
20	12/10/2001	13,605	ALLAN~1.RCV
	12/10/2001	1,535	ALLSPE~1.HV
	12/10/2001	12,028	ANCHOR~1.CPP
	12/10/2001	4,968	ANCHOR~1.HV
	12/10/2001	15,707	ASSEMB~1.CPP
25	12/10/2001	57,382	ASSEMB~1.CPX
	12/10/2001	4,453	ASSEMB~1.HV
	12/10/2001	10,034	ASSEMB~1.HXV
	12/10/2001	94,449	ASSEMB~2.CPP
	12/10/2001	16,442	ASSEMB~2.HV
30	12/10/2001	1,845	ASSEMB~3.HV
	12/10/2001	21,077	ATTACH~1.CPP

	12/10/2001	7,773	ATTACH~1.HV
	12/10/2001	3,140	ATTACH~1.RHV
	12/10/2001	3,130	ATTACH~2.HV
	12/10/2001	2,824	BALLJO~1.CPP
5	12/10/2001	2,295	BALLJO~1.HV
	12/10/2001	1,034	BITMAP~1.RCV
	12/10/2001	1,558	BITMAP~1.RHV
	12/10/2001	1,410	BLOB~1.HV
	12/10/2001	5,273	BOLTHE~1.CPP
10	12/10/2001	3,130	BOLTHE~1.HV
	12/10/2001	3,044	BOLTHO~1.CPP
	12/10/2001	2,275	BOLTHO~1.HV
	12/10/2001	907	BUILDD~1.HV
	12/10/2001	3,998	BUILDI~1.HV
	12/10/2001	5,365	BUILDN~1.HV
	12/10/2001	882	CHGATT~1.CUR
	12/10/2001	1,376	CHIEF~1.ICO
	12/10/2001	5,275	COLORM~1.CPP
	12/10/2001	2,401	COLORM~1.HV
20	12/10/2001	28,869	CONFIG~1.CPP
	12/10/2001	23,631	CONFIG~1.HV
	12/10/2001	3,185	CURSOR~1.RCV
	12/10/2001	1,499	CURSOR~1.RHV
	12/10/2001	5,527	DATALO~1.CPP
25	12/10/2001	16,462	DATALO~1.DFM
	12/10/2001	4,842	DATALO~1.HV
	12/10/2001	5,032	DATALO~2.HV
	12/10/2001	1,146	DEFAUL~1.ICO
	12/10/2001	3,257	DEFLEC~1.CPP
30	12/10/2001	2,054	DEFLEC~1.HV
	12/10/2001	1,058	DIMATT~1.HV

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	12/10/2001	57,771	DIMLAY~1.CPP
	12/10/2001	49,935	DIMLAY~1.CPX
	12/10/2001	9,973	DIMLAY~1.HV
	12/10/2001	9,365	DIMLAY~1.HXV
5	12/10/2001	14,309	DLLCMD~1.RHV
	12/10/2001	886	DLLCUR~1.RHV
	12/10/2001	2,645	DLLDEF~1.HV
	12/10/2001	20,314	DLLDLG~1.RHV
	12/10/2001	856	DLLMEN~1.RHV
10	12/10/2001	6,389	DLLSTR~1.RHV
	12/10/2001	31,561	DSTRIN~1.CPP
	12/10/2001	15,198	DYNADI~1.CPP
	12/10/2001	2,268	DYNADI~1.HV
	12/10/2001	7,909	EAVEHI~1.TLB
15	12/10/2001	3,636	EDGESP~1.CPP
	12/10/2001	2,199	EDGESP~1.HV
	12/10/2001	12,023	ENUMTA~1.CPP
	12/10/2001	3,411	ENUMTA~1.HV
	12/10/2001	7,143	ENUMWO~1.CPP
20	12/10/2001	3,279	ENUMWO~1.HV
	12/10/2001	1,585	ERRENU~1.HV
	12/10/2001	4,753	ERRORS~1.HV
	12/10/2001	1,289	ESFDAT~1.CPP
	12/10/2001	172,407	ESFDAT~1.DFM
25	12/10/2001	1,563	ESFDAT~1.HV
	12/10/2001	1,449	ESFDEF~1.HV
	12/10/2001	23,781	ESFEXP~1.CPP
	12/10/2001	7,095	ESFEXP~1.HV
	12/10/2001	1,210	ESFMSG~1.HV
30	12/10/2001	42,843	ESF~1.BPR
	12/10/2001	10,301	ESF~1.CPP

	12/10/2001	4,003	ESF~1.CPX
	12/10/2001	1,746	ESF~1.RCV
	12/10/2001	3,132	ESTIMA~1.CPP
	12/10/2001	15,069	ESTIMA~1.DFM
5	12/10/2001	4,747	ESTIMA~1.HV
	12/10/2001	3,164	ESTNOT~1.CPP
	12/10/2001	10,117	ESTNOT~1.DFM
	12/10/2001	4,239	ESTNOT~1.HV
	12/10/2001	9,137	EXPORT~1.TXT
10	12/10/2001	7,643	EXT~1.CPP
	12/10/2001	4,067	EXT~1.HV
	12/10/2001	2,955	FACTOR~1.CPP
	12/10/2001	2,345	FACTOR~1.HV
	12/10/2001	4,411	FENDER~1.CPP
15	12/10/2001	2,800	FENDER~1.HV
	12/10/2001	10,408	FINDPO~1.CPP
	12/10/2001	40,125	FINDPO~1.DFM
	12/10/2001	4,302	FINDPO~1.HV
	12/10/2001	4,704	FIXTUR~1.CPP
20	12/10/2001	2,848	FIXTUR~1.HV
	12/10/2001	2,637	FLANGE~1.CPP
	12/10/2001	2,243	FLANGE~1.HV
	12/10/2001	6,328	FRAME~1.CPP
	12/10/2001	3,785	FRAME~1.HV
25	12/10/2001	885	FREEZE~1.CUR
	12/10/2001	8,459	GARC~1.CPP
	12/10/2001	3,723	GARC~1.HV
	12/10/2001	4,424	GATTRI~1.CPP
	12/10/2001	2,869	GATTRI~1.HV
30	12/10/2001	5,252	GBLOCK~1.CPP
	12/10/2001	3,774	GBLOCK~1.HV

	12/10/2001	3,325	GCIRCL~1.CPP
	12/10/2001	2,311	GCIRCL~1.HV
	12/10/2001	23,932	GDIALO~1.CPP
	12/10/2001	3,148	GDIALO~1.DFM
5	12/10/2001	2,876	GDIALO~1.HV
	12/10/2001	16,110	GENCD~1.CPP
	12/10/2001	2,126	GENCD~1.HV
	12/10/2001	15,801	GENCLI~1.BPR
	12/10/2001	4,816	GENCLI~1.CPP
10	12/10/2001	978,163	GENCLI~1.DFM
	07/31/2001	5,960	GENCLI~1.DSK
	12/10/2001	13,351	GENCLI~1.HV
	12/10/2001	5,395	GENCLI~1.RCV
	12/10/2001	3,976	GENCLI~1.RHV
15	12/10/2001	65,406	GENCLI~2.BPR
	12/10/2001	12,950	GENCLI~2.CPP
	12/10/2001	313,467	GENCLI~2.DFM
	12/10/2001	1,599	GENCLI~2.HV
	12/10/2001	1,317	GENCLI~3.CPP
20	12/10/2001	81,850	GENCLI~4.CPP
	12/10/2001	1,338	GENDEB~1.HV
	12/10/2001	2,212	GENDIA~1.RHV
	12/10/2001	46,616	GENERA~1.CPP
	12/10/2001	6,000	GENERA~1.HV
25	12/10/2001	17,734	GENESI~1.CPP
	12/10/2001	4,141	GENESI~1.HV
	12/10/2001	1,146	GENESI~1.ICO
	12/20/2001	1,720,807	GENESI~1.ZIP
	12/10/2001	3,103	GENFON~1.CPP
30	12/10/2001	2,562	GENFON~1.HV
	12/10/2001	12,713	GENLAN~1.CPP

	12/10/2001	3,284	GENLAN~1.HV
	12/10/2001	2,701	GENLAN~1.RCV
	12/10/2001	78,029	GENPRE~1.CPP
	12/10/2001	161,048	GENPRE~1.DFM
5	12/10/2001	13,858	GENPRE~1.HV
	12/10/2001	26,933	GENPRE~2.CPP
	12/10/2001	9,017	GENPRE~2.HV
	12/10/2001	120,327	GENREG~1.CPP
	12/10/2001	27,352	GENREG~1.HV
	12/10/2001	21,159	GENRES~1.BPR
10	12/10/2001	13,963	GENRES~1.CPP
	12/10/2001	1,925	GENRES~1.RCV
	12/10/2001	79,115	GENSER~1.BPR
	12/10/2001	21,141	GENSER~1.CPP
	12/10/2001	20,323	GENSER~1.DFM
	12/10/2001	1,445	GENSER~1.HV
15	12/10/2001	12,273	GENSER~1.IDL
	12/10/2001	1,805	GENSER~1.RCV
	12/10/2001	3,347	GENSER~1.RHV
	12/10/2001	74,033	GENSER~1.TLB
	12/10/2001	1,267	GENSER~2.CPP
	12/10/2001	1,313,086	GENSER~2.DFM
20	12/10/2001	139,157	GENSER~2.HV
	12/10/2001	9,179	GENSER~3.CPP
	12/10/2001	1,599	GENSER~3.HV
	12/10/2001	1,313	GENSER~4.CPP
	12/10/2001	22,937	GENSER~4.HV
	12/10/2001	174,323	GENSER~5.CPP
25	12/10/2001	1,269	GENSHA~1.HV
	12/10/2001	4,169	GENSTA~1.RHV
	12/10/2001	84,265	GENSTR~1.RCV

	12/10/2001	8,804	GENSTR~1.RHV
	12/10/2001	14,262	GENVER~1.RCV
	12/10/2001	86,083	GENXPR~1.CPP
	12/10/2001	9,272	GENXPR~1.HV
5	12/10/2001	3,506	GFILL~1.CPP
	12/10/2001	2,373	GFILL~1.HV
	12/10/2001	7,781	GGRAPH~1.CPP
	12/10/2001	3,518	GGRAPH~1.HV
	12/10/2001	3,800	GINSER~1.CPP
10	12/10/2001	2,610	GINSER~1.HV
	12/10/2001	14,282	GLAYER~1.CPP
	12/10/2001	5,266	GLAYER~1.HV
	12/10/2001	2,859	GLINE~1.CPP
	12/10/2001	2,390	GLINE~1.HV
15	12/10/2001	3,415	GPATH~1.CPP
	12/10/2001	2,641	GPATH~1.HV
	12/10/2001	3,700	GPOINT~1.CPP
	12/10/2001	2,514	GPOINT~1.HV
	12/10/2001	5,979	GPOLYA~1.CPP
20	12/10/2001	3,120	GPOLYA~1.HV
	12/10/2001	1,925	GPOLYF~1.CPP
	12/10/2001	2,017	GPOLYF~1.HV
	12/10/2001	2,820	GPOLYL~1.CPP
	12/10/2001	2,401	GPOLYL~1.HV
25	12/10/2001	1,903	GPOLYO~1.CPP
	12/10/2001	1,985	GPOLYO~1.HV
	12/10/2001	6,266	GPOLYS~1.CPP
	12/10/2001	2,859	GPOLYS~1.HV
	12/10/2001	3,401	GRECT~1.CPP
30	12/10/2001	2,340	GRECT~1.HV
	12/10/2001	2,434	GRTYPE~1.HV

	12/10/2001	6,421	GSCALE~1.CPP
	12/10/2001	2,542	GSCALE~1.HV
	12/10/2001	3,297	GSOLID~1.CPP
	12/10/2001	2,404	GSOLID~1.HV
5	12/10/2001	5,928	GSPECD~1.CPP
	12/10/2001	3,123	GSPECD~1.HV
	12/10/2001	13,739	GSPECL~1.CPP
	12/10/2001	5,991	GSPECL~1.HV
	12/10/2001	57,571	GSPECM~1.CPP
10	12/10/2001	12,322	GSPECM~1.HV
	12/10/2001	68,054	GSPEC~1.CPP
	12/10/2001	11,345	GSPEC~1.HV
	12/10/2001	13,815	GSPECS~1.CPP
	12/10/2001	16,146	GSPECS~1.HV
15	12/10/2001	126,324	GTARGE~1.CPP
	12/10/2001	96,759	GTARGE~1.CPX
	12/10/2001	30,617	GTSPEC~1.HV
	12/10/2001	20,636	GTSPEC~1.HXV
	12/10/2001	49,867	GTARGET~1.CPP
20	12/10/2001	19,796	GTARGET~1.HV
	12/10/2001	6,910	GTARGET~2.CPP
	12/10/2001	3,835	GTARGET~2.HV
	12/10/2001	4,980	GTEXT~1.CPP
	12/10/2001	2,676	GTEXT~1.HV
25	12/10/2001	6,065	GTYPED~1.CPP
	12/10/2001	5,201	GTYPED~1.HV
	12/10/2001	10,566	GVEHIC~1.CPP
	12/10/2001	2,341	GVEHIC~1.HV
	12/10/2001	25,287	GVSPEC~1.CPP
30	12/10/2001	6,241	GVSPEC~1.HV
	12/10/2001	3,276	HISTOR~1.CPP

	12/10/2001	3,292	HISTOR~1.HV
	12/10/2001	7,937	HOLESP~1.CPP
	12/10/2001	2,998	HOLESP~1.HV
	12/10/2001	5,498	HOOD~1.CPP
5	12/10/2001	3,387	HOOD~1.HV
	12/10/2001	1,065	HUBLOG~1.CPP
	12/10/2001	2,180	HUBLOG~1.HV
	12/10/2001	91,200	HUB~1.CPP
	12/10/2001	25,775	HUB~1.HV
10	12/10/2001	1,515	ICONID~1.RHV
	12/10/2001	874	ICONS~1.RCV
	12/10/2001	6,169	IFNULL~1.CPP
	12/10/2001	4,561	IFNULL~1.HV
	12/10/2001	7,243	INSPNO~1.CPP
15	12/10/2001	12,524	INSPNO~1.DFM
	12/10/2001	4,618	INSPNO~1.HV
	12/10/2001	87,420	LANGMG~1.CPP
	12/10/2001	9,755	LANGMG~1.HV
	12/10/2001	38,876	LANGUA~1.RHV
20	12/10/2001	1,071	LASTER~1.HV
	12/10/2001	8,547	LEGEND~1.CPP
	12/10/2001	2,804	LEGEND~1.HV
	12/10/2001	17,067	LIVETA~1.CPP
	12/10/2001	12,109	LIVETA~1.HV
25	12/10/2001	17,477	LIVETA~2.CPP
	12/10/2001	6,122	LIVETA~2.HV
	12/10/2001	3,366	MADETA~1.CPP
	12/10/2001	4,835	MADETA~1.DFM
	12/10/2001	1,978	MADETA~1.HV
30	12/10/2001	882	MAKEPN~1.CUR
	12/10/2001	2,271	MEASUR~1.HV

	12/10/2001	8,349	MESSAG~1.RHV
	12/10/2001	6,897	MOREDE~1.RHV
	12/10/2001	3,809	MOREOW~1.HV
	12/10/2001	1,798	MOUSEO~1.HV
5	12/10/2001	882	MOVETA~1.CUR
	12/10/2001	2,379	MSGDLG~1.HV
	12/10/2001	8,137	NOSPEC~1.CPP
	12/10/2001	898,862	NOSPEC~1.DFM
	12/10/2001	5,087	NOSPEC~1.HV
10	12/10/2001	801	NOTES~1.RHV
	12/10/2001	5,605	OVALHO~1.CPP
	12/10/2001	3,080	OVALHO~1.HV
	12/10/2001	15,847	PARKFI~1.CPP
	12/10/2001	8,555	PARKFI~1.HV
	12/10/2001	2,072	PARTID~1.CPP
	12/10/2001	4,400	PARTID~1.HV
	12/10/2001	7,242	PARTSB~1.CPP
	12/10/2001	54,922	PARTSB~1.DFM
	12/10/2001	3,142	PARTSB~1.HV
20	12/10/2001	2,706	PINCHW~1.CPP
	12/10/2001	2,291	PINCHW~1.HV
	12/10/2001	5,619	POINT~1.CPP
	12/10/2001	4,461	POINT~1.HV
	12/10/2001	1,931	PROGRE~1.CPP
25	12/10/2001	4,176	PROGRE~1.DFM
	12/10/2001	2,216	PROGRE~1.HV
	12/10/2001	6,351	PROTRU~1.CPP
	12/10/2001	2,908	PROTRU~1.HV
	12/10/2001	5,737	QUICKO~1.CPP
30	12/10/2001	13,726	QUICKO~1.DFM
	12/10/2001	4,132	QUICKO~1.HV

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	12/10/2001	2,594	RAIL~1.CPP
	12/10/2001	2,211	RAIL~1.HV
	12/10/2001	3,141	RAWSOU~1.HV
	12/10/2001	4,428	READTH~1.CPP
5	12/10/2001	2,180	READTH~1.HV
	12/10/2001	3,829	REGIDT~1.HV
	12/10/2001	15,004	REINIT~1.CPP
	12/10/2001	2,960	REINIT~1.HV
	12/10/2001	5,548	RESULT~1.CPP
10	12/10/2001	8,511	RESULT~1.DFM
	12/10/2001	3,115	RESULT~1.HV
	12/10/2001	2,755	RIVET~1.CPP
	12/10/2001	2,231	RIVET~1.HV
	12/10/2001	4,645	RODLEN~1.CPP
	12/10/2001	2,468	RODLEN~1.HV
	12/10/2001	2,325	RODLEN~2.CPP
	12/10/2001	2,087	RODLEN~2.HV
	12/10/2001	3,431	ROTACC~1.HV
	12/10/2001	67,601	SCANDR~1.BPR
20	12/10/2001	12,924	SCANDR~1.CPP
	12/10/2001	1,781	SCANDR~1.RCV
	12/10/2001	1,579	SCANDR~1.RHV
	12/10/2001	19,531	SCANER~1.CPP
	12/10/2001	3,713	SCANER~1.HV
25	12/10/2001	145,834	SCANNE~1.CPP
	12/10/2001	123,954	SCANNE~1.DFM
	12/10/2001	25,082	SCANNE~1.HV
	12/10/2001	1,376	SCANNE~1.ICO
	12/10/2001	8,329	SCANNE~1.RHV
30	12/10/2001	71,826	SCANNE~2.CPP
	12/10/2001	2,259	SCANNE~2.DFM

	12/10/2001	1,379	SCANNE~2.HV
	12/10/2001	60,693	SCANNE~3.CPP
	12/10/2001	10,384	SCANNE~3.DFM
	12/10/2001	16,786	SCANNE~3.HV
5	12/10/2001	32,240	SCANNE~4.CPP
	12/10/2001	8,748	SCANNE~4.HV
	12/10/2001	149,473	SCANNE~5.CPP
	12/10/2001	18,516	SCANNE~5.HV
	12/10/2001	28,770	SCANNE~6.HV
10	12/10/2001	16,663	SCANSE~1.CPP
	12/10/2001	62,975	SCANSE~1.DFM
	12/10/2001	3,439	SCANSE~1.HV
	12/10/2001	4,507	SCANSE~1.IDL
	12/10/2001	5,892	SCANST~1.CPP
15	12/10/2001	42,261	SCANST~1.DFM
	12/10/2001	3,384	SCANST~1.HV
	12/10/2001	1,537	SCANST~2.HV
	12/10/2001	5,781	SCANTH~1.CPP
	12/10/2001	3,141	SCANTH~1.HV
20	12/10/2001	46,940	SCANVI~1.CPP
	12/10/2001	120,341	SCANVI~1.DFM
	12/10/2001	8,531	SCANVI~1.HV
	12/10/2001	15,449	SCAN~1.CPP
	12/10/2001	3,045	SCAN~1.HV
25	12/10/2001	7,442	SEARCH~1.CPP
	12/10/2001	33,426	SEARCH~1.DFM
	12/10/2001	3,948	SEARCH~1.HV
	12/10/2001	11,633	SELECT~1.CPP
	12/10/2001	51,820	SELECT~1.DFM
30	12/10/2001	3,964	SELECT~1.HV
	06/04/2001	6,506	SELECT~2.DFM

	12/10/2001	15,969	SERIAL~1.CPP
	12/10/2001	5,636	SERIAL~1.HV
	12/10/2001	12,251	SHARED~1.CPP
	12/10/2001	3,795	SHARED~1.HV
5	12/10/2001	1,965	SHARED~1.RHV
	12/10/2001	24,538	SHOPIN~1.CPP
	12/10/2001	3,904	SHOPIN~1.HV
	12/10/2001	11,916	SHOPMA~1.CPP
10	12/10/2001	3,620	SHOPMA~1.HV
	12/10/2001	9,942	SHOWDB~1.CPP
	12/10/2001	5,530	SHOWDB~1.HV
	12/10/2001	3,516	SPECOP~1.HV
	12/10/2001	1,747	SPECTY~1.HV
15	12/10/2001	13,110	SSRESU~1.CPP
	12/10/2001	9,690	SSRESU~1.DFM
	12/10/2001	5,500	SSRESU~1.HV
	12/10/2001	24,001	STOCKS~1.CPP
	12/10/2001	3,560	STOCKS~1.HV
	12/10/2001	5,135	STREAM~1.CPP
20	12/10/2001	3,647	STREAM~1.HV
	12/10/2001	6,011	STRUTB~1.CPP
	12/10/2001	2,946	STRUTB~1.HV
	12/10/2001	5,913	STRUTS~1.CPP
	12/10/2001	2,946	STRUTS~1.HV
25	12/10/2001	4,791	STUD~1.CPP
	12/10/2001	2,851	STUD~1.HV
	12/10/2001	883	TAE30B~1.CUR
	12/10/2001	883	TAE30E~1.CUR
	12/10/2001	883	TAE311~1.CUR
30	12/10/2001	883	TAE314~1.CUR
	12/10/2001	883	TAE316~1.CUR

	12/10/2001	883	TAE319~1.CUR
	12/10/2001	883	TAE31C~1.CUR
	12/10/2001	883	TAE31E~1.CUR
	12/10/2001	883	TAE321~1.CUR
5	12/10/2001	883	TAE323~1.CUR
	12/10/2001	883	TAE325~1.CUR
	12/10/2001	884	TAE337~1.CUR
	12/10/2001	884	TAE33A~1.CUR
	12/10/2001	884	TAE33C~1.CUR
10	12/10/2001	884	TAE33E~1.CUR
	12/10/2001	884	TAE340~1.CUR
	12/10/2001	884	TAE343~1.CUR
	12/10/2001	884	TAE345~1.CUR
	12/10/2001	884	TAE347~1.CUR
15	\ 12/10/2001	884	TAE34A~1.CUR
	12/10/2001	884	TAE34C~1.CUR
	12/10/2001	883	TAE34E~1.CUR
	12/10/2001	883	TAE351~1.CUR
	12/10/2001	883	TAE353~1.CUR
20	12/10/2001	883	TAE355~1.CUR
	12/10/2001	883	TAE358~1.CUR
	12/10/2001	883	TAE35A~1.CUR
	12/10/2001	883	TAE35C~1.CUR
	12/10/2001	883	TAE35F~1.CUR
25	12/10/2001	883	TAE362~1.CUR
	12/10/2001	883	TAE364~1.CUR
	12/10/2001	884	TAE366~1.CUR
	12/10/2001	884	TAE369~1.CUR
	12/10/2001	884	TAE36B~1.CUR
30	12/10/2001	884	TAE36E~1.CUR
	12/10/2001	884	TAE370~1.CUR

	12/10/2001	884	TAE373~1.CUR
	12/10/2001	1,586	TARGDE~1.HV
	12/10/2001	8,643	TARGET~1.CPP
	12/10/2001	883	TARGET~1.CUR
5	12/10/2001	15,946	TARGET~1.HV
	12/10/2001	883	TARGET~2.CUR
	12/10/2001	883	TARGET~3.CUR
	12/10/2001	883	TARGET~4.CUR
	12/10/2001	883	TARGET~5.CUR
10	12/10/2001	883	TARGET~6.CUR
	12/10/2001	883	TARGET~7.CUR
	12/10/2001	883	TARGET~8.CUR
	12/10/2001	883	TARGET~9.CUR
	12/10/2001	20,201	TASK~1.CPP
15	12/10/2001	4,252	TASK~1.HV
	06/04/2001	5,654	TEST.BMP
	12/10/2001	6,378	TEST~1.BMP
	12/10/2001	884	THAW~1.CUR
	12/10/2001	2,892	TRANSL~1.CPP
20	12/10/2001	13,116	TRANSL~1.DFM
	12/10/2001	3,773	TRANSL~1.HV
	12/10/2001	882	TRASHC~1.CUR
	12/10/2001	15,770	UMSATT~1.CPP
	12/10/2001	9,333	UMSATT~1.HV
25	12/10/2001	84,911	UMSDAT~1.CPP
	12/10/2001	13,678	UMSDAT~1.HV
	12/10/2001	1,547	UMSINF~1.HV
	12/10/2001	16,588	UTILEX~1.CPP
	12/10/2001	2,877	UTILEX~1.HV
30	12/10/2001	3,469	UTILEX~2.HV
	12/10/2001	36,631	UTILIT~1.BPR

12/10/2001	13,946	UTILIT~1.CPP
12/10/2001	1,776	UTILIT~1.RCV
12/10/2001	2,254	UTILIT~1.RHV
12/10/2001	18,851	VECT3D~1.CPP
5	14,782	VECT3D~1.HV
12/10/2001	11,310	VEHICL~1.CPP
12/10/2001	3,061	VEHICL~1.HV
12/10/2001	2,718	VHCLLI~1.CPP
12/10/2001	1,405	VHCLLI~1.HV
10	1,634	VIDEOC~1.BMP
12/10/2001	30,142	WORKOR~1.CPP
12/10/2001	5,010	WORKOR~1.HV
12/10/2001	7,397	XGEOME~1.CPP
12/10/2001	46,547	XGEOME~1.HV
12/10/2001	2,388	XLIST~1.HV
12/10/2001	673	ZOOMMI~1.CUR
12/10/2001	673	ZOOMPL~1.CUR
15	885	ZOOM~1.CUR
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BACKGROUND OF THE INVENTION

Field of the Invention

The present invention is broadly concerned with apparatus for determining deformation in vehicle bodies and the like, using a laser scanning apparatus in conjunction with a plurality of coded targets suspended from (or in known relationship to) known reference points on the vehicle to calculate three dimensional spatial coordinates defining the actual positions of the targets, and to compare such calculated positions with manufacturer-provided specification values. More particularly, the invention is concerned with such apparatus and corresponding methods wherein use is made of a stationary central laser assembly including respective emitter lasers and corresponding parabolic collectors and associated detectors, a pair of upright, rotatable mirrors, and on-board scanner electronics all located within an enclosed housing.